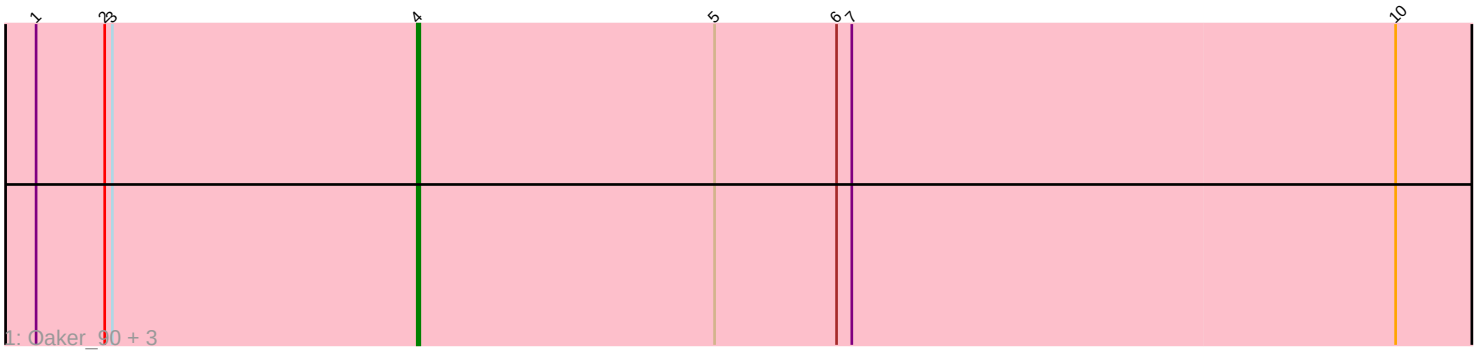
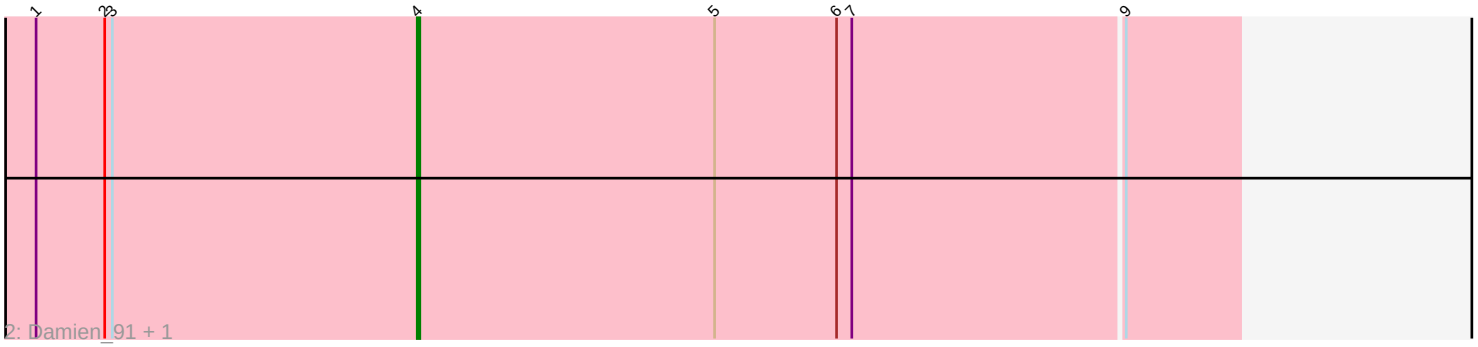
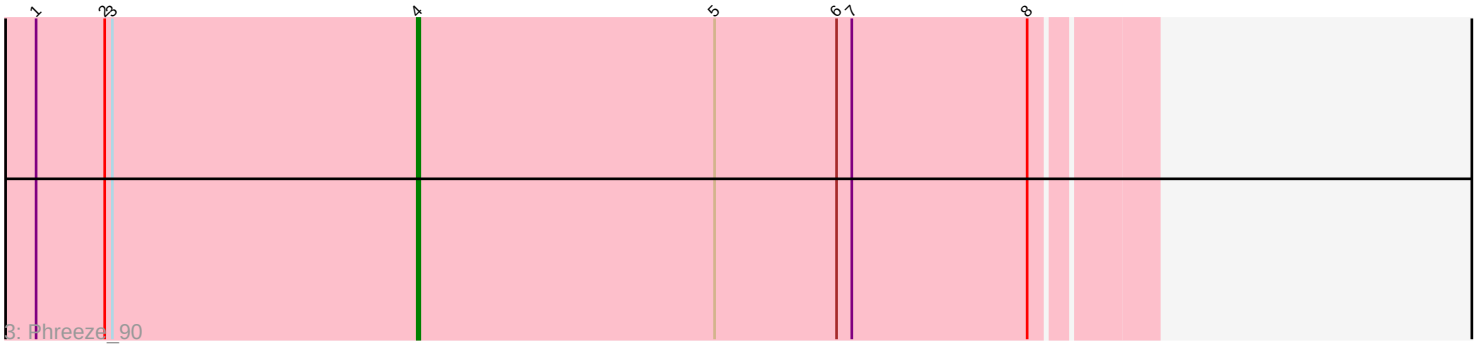
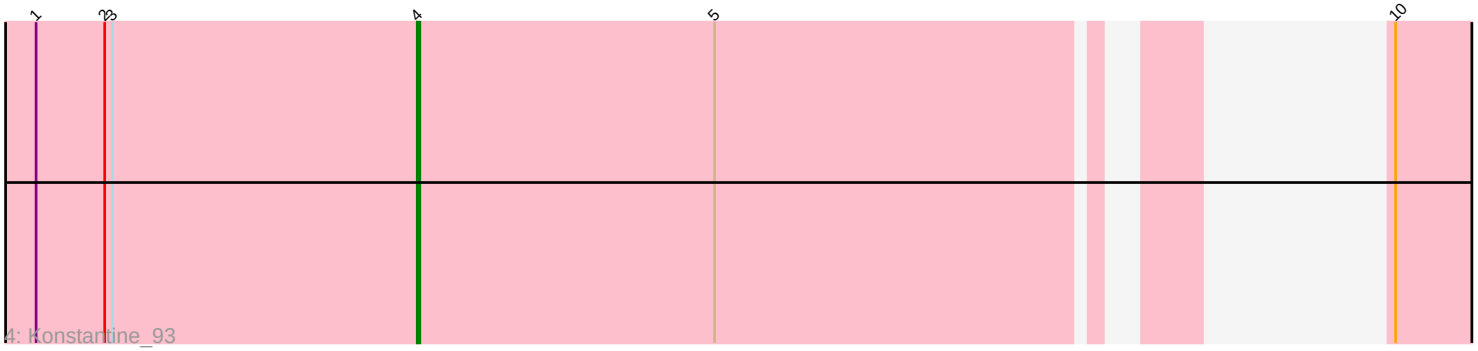
Pham 28052


1
2
3
4
5
6
7
10
1: Baker_90 + 3


1
2
3
4
5
6
7
9
2: Damien_91 + 1


1
2
3
4
5
6
7
8
3: Phreeze_90


1
2
3
4
5
10
4: Konstantine_93

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 28052 Report

This analysis was run 04/05/24 on database version 557.

Pham number 28052 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Oaker_90, Thumb_92, Cborch11_92, Megatron06_94
• Track 2 : Damien_91, Beckerton_90
• Track 3 : Phreeze_90
• Track 4 : Konstantine_93

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 4, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beckerton_90, Cborch11_92, Damien_91, Konstantine_93, Megatron06_94, Oaker_90, Phreeze_90, Thumb_92,

Genes that have the "Most Annotated" start but do not call it:
•

Genes that do not have the "Most Annotated" start:
•

Summary by start number:

Start 4:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beckerton_90 (H1), Cborch11_92 (H1), Damien_91 (H1), Konstantine_93 (H1), Megatron06_94 (H1), Oaker_90 (H1), Phreeze_90 (H1), Thumb_92 (H1),

Summary by clusters:

There is one cluster represented in this pham: H1

Info for manual annotations of cluster H1:
•Start number 4 was manually annotated 7 times for cluster H1.

Gene Information:

Gene: Beckerton_90 Start: 64842, Stop: 65162, Start Num: 4
Candidate Starts for Beckerton_90:
(1, 64692), (2, 64719), (3, 64722), (Start: 4 @64842 has 7 MA's), (5, 64959), (6, 65007), (7, 65013), (9, 65118),

Gene: Cborch11_92 Start: 64411, Stop: 64803, Start Num: 4
Candidate Starts for Cborch11_92:
(1, 64261), (2, 64288), (3, 64291), (Start: 4 @64411 has 7 MA's), (5, 64528), (6, 64576), (7, 64582), (10, 64759),

Gene: Damien_91 Start: 64361, Stop: 64681, Start Num: 4
Candidate Starts for Damien_91:
(1, 64211), (2, 64238), (3, 64241), (Start: 4 @64361 has 7 MA's), (5, 64478), (6, 64526), (7, 64532), (9, 64637),

Gene: Konstantine_93 Start: 64845, Stop: 65180, Start Num: 4
Candidate Starts for Konstantine_93:
(1, 64695), (2, 64722), (3, 64725), (Start: 4 @64845 has 7 MA's), (5, 64962), (10, 65136),

Gene: Megatron06_94 Start: 65015, Stop: 65389, Start Num: 4
Candidate Starts for Megatron06_94:
(1, 64865), (2, 64892), (3, 64895), (Start: 4 @65015 has 7 MA's), (5, 65132), (6, 65180), (7, 65186), (10, 65345),

Gene: Oaker_90 Start: 64951, Stop: 65379, Start Num: 4
Candidate Starts for Oaker_90:
(1, 64801), (2, 64828), (3, 64831), (Start: 4 @64951 has 7 MA's), (5, 65068), (6, 65116), (7, 65122), (10, 65335),

Gene: Phreeze_90 Start: 63900, Stop: 64184, Start Num: 4
Candidate Starts for Phreeze_90:
(1, 63750), (2, 63777), (3, 63780), (Start: 4 @63900 has 7 MA's), (5, 64017), (6, 64065), (7, 64071), (8, 64140),

Gene: Thumb_92 Start: 64314, Stop: 64688, Start Num: 4
Candidate Starts for Thumb_92:
(1, 64164), (2, 64191), (3, 64194), (Start: 4 @64314 has 7 MA's), (5, 64431), (6, 64479), (7, 64485), (10, 64644),